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Silver Scan-Tool   Version 7.31.38.36260     Copyright by RA Consulting GmbH
Registered for  Daniel Ogden


Date:         06/01/2020, 02:12:27 pm


Measurement file:   C:\RA Consulting\Silver Scan-Tool\user\SEMA_Garage.dra


Interface: VSI-2534
Driver Version: 2.8.0.0



Vehicle
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DERIVE 2011 FORD F-250 5523
SEMA Garage _
Rene Acosta _
DERIVE FORD F-250 _
Mileage 82509 _
OBD Report ( Post Horsepower )


Acquisition worker:
Location:
Department:




ECU
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33  Scan-Tool
Protocol:  ISO 15765-4 (CAN)


List of supported Modes and PIDs
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Mode      PID       Module     Comment
----------------------------------------------------------
Mode 1    *****     *****      Current powertrain diagnostic data
1         00        E8  E9     PIDs supported 01-1F
1         01        E8  E9     Monitor status since DTCs cleared
1         04        E8  E9     Calculated load value
1         05        E9         Engine coolant temperature
1         0C        E8  E9     Engine RPM
1         0D        E8  E9     Vehicle speed sensor
1         0F        E9         Intake air temperature
1         13        E8         Location of oxygen sensors
1         1C        E8  E9     OBD requirements to which vehicle or engine is certified
1         1F        E8  E9     Time since engine start
1         20        E8  E9     PIDs supported 21-3F
1         21        E8  E9     Distance traveled while MIL is activated
1         24        E8         Equivalence ratio, Oxygen sensor voltage
1         2F        E8         Fuel level input
1         30        E8  E9     Number of warm-ups since DTCs cleared
1         31        E8  E9     Distance traveled since DTCs cleared
1         33        E8  E9     Barometric pressure
1         40        E8  E9     PIDs supported 41-5F
1         41        E8         Monitor status this driving cycle
1         42        E8  E9     Control module voltage
1         46        E8         Ambient air temperature
1         49        E8  E9     Accelerator pedal position D
1         4A        E8         Accelerator pedal position E
1         4F        E8         External Test Equipment Configuration Information #1
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1        51        E8        Type of fuel currently being utilized by the internal combustion
engine
1        5C        E8        Engine oil temperature
1        5D        E8        Fuel injection timing
1        5E        E8        Engine fuel rate
1        60        E8        PIDs supported 61-7F
1        61        E8        Driver's demand engine - percent torque
1        62        E8        Actual engine - percent torque
1        63        E8        Engine reference torque
1        64        E8        Engine percent torque at idle point 1, Engine percent torque at
point 2, Engine percent torque at point 3, Engine percent torque at point 4, Engine percent torque at
point 5
1        65        E8        Auxiliary Inputs/Outputs Status
1        66        E8        Mass Air Flow Sensor A, Mass Air Flow Sensor B
1        67        E8        Engine Coolant Temperature 1, Engine Coolant Temperature 2
1        68        E8        Intake Air Temperature Bank 1 Sensor 1, Intake Air Temperature
Bank 1 Sensor 2, Intake Air Temperature Bank 1 Sensor 3, Intake Air Temperature Bank 2 Sensor 1,
Intake Air Temperature Bank 2 Sensor 2, Intake Air Temperature Bank 2 Sensor 3
1        69        E8        Commanded EGR A Duty Cycle/Position, Actual EGR A Duty
Cycle/Position, EGR A Error, Commanded EGR B Duty Cycle/Position, Actual EGR B Duty Cycle/Position,
EGR B Error
1        6A        E8        Commanded Intake Air Flow A Control, Relative Intake Air Flow A
Position, Commanded Intake Air Flow B Control, Relative Intake Air Flow B Position
1        6B        E8        Exhaust Gas Recirculation Temp Sensor A (Bank 1 Sensor 1), Exhaust
Gas Recirculation Temp Sensor C (Bank 1 Sensor 2), Exhaust Gas Recirculation Temp Sensor B (Bank 2
Sensor 1), Exhaust Gas Recirculation Temp Sensor D (Bank 2 Sensor 2)
1        6D        E8        Commanded Fuel Rail Pressure A, Fuel Rail Pressure A, Fuel Rail
Temperature A, Commanded Fuel Rail Pressure B, Fuel Rail Pressure B, Fuel Rail Temperature B
1        71        E8        Commanded Variable Geometry Turbo A Position, Variable Geometry
Turbo A Position, VGT A Control Status, Commanded Variable Geometry Turbo B Position, Variable
Geometry Turbo B Position, VGT A,B Control Status
1        72        E8        Commanded Wastegate A Position, Wastegate A Position, Commanded
Wastegate B Position, Wastegate B Position
1        73        E8        Exhaust Pressure Sensor Bank 1, Exhaust Pressure Sensor Bank 2
1        77        E8        Charge Air Cooler Temperature Bank 1 Sensor 1, Charge Air Cooler
Temperature Bank 1 Sensor 2, Charge Air Cooler Temperature Bank 2 Sensor 1, Charge Air Cooler
Temperature Bank 2 Sensor 2
1        78        E8        Exhaust Gas Temperature Bank 1 Sensor 1, Exhaust Gas Temperature
Bank 1 Sensor 2, Exhaust Gas Temperature Bank 1 Sensor 3, Exhaust Gas Temperature Bank 1 Sensor 4
1        7A        E8        Particulate Filter Bank 1 Delta Pressure, Particulate Filter Bank
1 Inlet Pressure, Particulate Filter Bank 1 Outlet Pressure
1        7D        E8        NOx NTE control area status
1        7E        E8        PM NTE control area status
1        7F        E8        Total Engine Run Time, Total Idle Run Time, Total Run Time With
PTO Active
1        80        E8        PIDs supported 81-9F
1        81        E8        Total run time with EI-AECD #1 Timer 1 active, Total run time with
EI-AECD #1 Timer 2 active, Total run time with EI-AECD #2 Timer 1 active, Total run time with EI-AECD
#2 Timer 2 active, Total run time with EI-AECD #3 Timer 1 active, Total run time with EI-AECD #3 Timer
2 active, Total run time with EI-AECD #4 Timer 1 active, Total run time with EI-AECD #4 Timer 2
active, Total run time with EI-AECD #5 Timer 1 active, Total run time with EI-AECD #5 Timer 2 active
1        82        E8        Total run time with EI-AECD #6 Timer 1 active, Total run time with
EI-AECD #6 Timer 2 active, Total run time with EI-AECD #7 Timer 1 active, Total run time with EI-AECD
#7 Timer 2 active, Total run time with EI-AECD #8 Timer 1 active, Total run time with EI-AECD #8 Timer
2 active, Total run time with EI-AECD #9 Timer 1 active, Total run time with EI-AECD #9 Timer 2
active, Total run time with EI-AECD #10 Timer 1 active, Total run time with EI-AECD #10 Timer 2 active
1        83        E8        NOx Sensor Concentration Bank 1 Sensor 1, NOx Sensor Concentration
Bank 1 Sensor 2, NOx Sensor Concentration Bank 2 Sensor 1, NOx Sensor Concentration Bank 2 Sensor 2
1        85        E8        Average Reagent Consumption, Average Demanded Reagent Consumption,
Reagent Tank Level, Total run time by the engine while NOx warning mode is activated
1        87        E8        Intake Manifold Absolute Pressure A, Intake Manifold Absolute
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Pressure B
1       89      E8              Total run time with EI-AECD #11 Timer 1 active, Total run time
with EI-AECD #11 Timer 2 active, Total run time with EI-AECD #12 Timer 1 active, Total run time with
EI-AECD #12 Timer 2 active, Total run time with EI-AECD #13 Timer 1 active, Total run time with
EI-AECD #13 Timer 2 active, Total run time with EI-AECD #14 Timer 1 active, Total run time with
EI-AECD #14 Timer 2 active, Total run time with EI-AECD #15 Timer 1 active, Total run time with
EI-AECD #15 Timer 2 active
1       8A      E8              Total run time with EI-AECD #16 Timer 1 active, Total run time
with EI-AECD #16 Timer 2 active, Total run time with EI-AECD #17 Timer 1 active, Total run time with
EI-AECD #17 Timer 2 active, Total run time with EI-AECD #18 Timer 1 active, Total run time with
EI-AECD #18 Timer 2 active, Total run time with EI-AECD #19 Timer 1 active, Total run time with
EI-AECD #19 Timer 2 active, Total run time with EI-AECD #20 Timer 1 active, Total run time with
EI-AECD #20 Timer 2 active
1       8B      E8              Aftertreatment Status, Normalized Trigger for DPF Regen, Average
Time Between DPF Regens, Average Distance Between DPF Regens


Mode 2  Frame 0 *****           Current freeze frame data
2       00      E8  E9          PIDs supported 01-1F
2       01      E9              Monitor status since DTCs cleared
2       02      E8  E9          DTC that caused required freeze frame data storage
2       04      E8  E9          Calculated load value
2       05      E9              Engine coolant temperature
2       0C      E8  E9          Engine RPM
2       0D      E8  E9          Vehicle speed sensor
2       0F      E9              Intake air temperature
2       1F      E8  E9          Time since engine start
2       20      E8  E9          PIDs supported 21-3F
2       2F      E8              Fuel level input
2       30      E9              Number of warm-ups since DTCs cleared
2       31      E9              Distance traveled since DTCs cleared
2       33      E8  E9          Barometric pressure
2       40      E8  E9          PIDs supported 41-5F
2       42      E8  E9          Control module voltage
2       46      E8              Ambient air temperature
2       49      E8  E9          Accelerator pedal position D
2       4A      E8              Accelerator pedal position E
2       5C      E8              Engine oil temperature
2       5D      E8              Fuel injection timing
2       5E      E8              Engine fuel rate
2       60      E8              PIDs supported 61-7F
2       61      E8              Driver's demand engine - percent torque
2       62      E8              Actual engine - percent torque
2       63      E8              Engine reference torque
2       64      E8              Engine percent torque at idle point 1, Engine percent torque at
point 2, Engine percent torque at point 3, Engine percent torque at point 4, Engine percent torque at
point 5
2       65      E8              Auxiliary Inputs/Outputs Status
2       66      E8              Mass Air Flow Sensor A, Mass Air Flow Sensor B
2       67      E8              Engine Coolant Temperature 1, Engine Coolant Temperature 2
2       68      E8              Intake Air Temperature Bank 1 Sensor 1, Intake Air Temperature
Bank 1 Sensor 2, Intake Air Temperature Bank 1 Sensor 3, Intake Air Temperature Bank 2 Sensor 1,
Intake Air Temperature Bank 2 Sensor 2, Intake Air Temperature Bank 2 Sensor 3
2       69      E8              Commanded EGR A Duty Cycle/Position, Actual EGR A Duty
Cycle/Position, EGR A Error, Commanded EGR B Duty Cycle/Position, Actual EGR B Duty Cycle/Position,
EGR B Error
2       6A      E8              Commanded Intake Air Flow A Control, Relative Intake Air Flow A
Position, Commanded Intake Air Flow B Control, Relative Intake Air Flow B Position
2       6B      E8              Exhaust Gas Recirculation Temp Sensor A (Bank 1 Sensor 1), Exhaust
Gas Recirculation Temp Sensor C (Bank 1 Sensor 2), Exhaust Gas Recirculation Temp Sensor B (Bank 2
Sensor 1), Exhaust Gas Recirculation Temp Sensor D (Bank 2 Sensor 2)
2       6D      E8              Commanded Fuel Rail Pressure A, Fuel Rail Pressure A, Fuel Rail
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Temperature A, Commanded Fuel Rail Pressure B, Fuel Rail Pressure B, Fuel Rail Temperature B
2   71   E8   Commanded Variable Geometry Turbo A Position, Variable Geometry
Turbo A Position, VGT A Control Status, Commanded Variable Geometry Turbo B Position, Variable
Geometry Turbo B Position, VGT A,B Control Status
2   72   E8   Commanded Wastegate A Position, Wastegate A Position, Commanded
Wastegate B Position, Wastegate B Position
2   73   E8   Exhaust Pressure Sensor Bank 1, Exhaust Pressure Sensor Bank 2
2   77   E8   Charge Air Cooler Temperature Bank 1 Sensor 1, Charge Air Cooler
Temperature Bank 1 Sensor 2, Charge Air Cooler Temperature Bank 2 Sensor 1, Charge Air Cooler
Temperature Bank 2 Sensor 2
2   78   E8   Exhaust Gas Temperature Bank 1 Sensor 1, Exhaust Gas Temperature
Bank 1 Sensor 2, Exhaust Gas Temperature Bank 1 Sensor 3, Exhaust Gas Temperature Bank 1 Sensor 4
2   7A   E8   Particulate Filter Bank 1 Delta Pressure, Particulate Filter Bank
1 Inlet Pressure, Particulate Filter Bank 1 Outlet Pressure
2   7F   E8   Total Engine Run Time, Total Idle Run Time, Total Run Time With
PTO Active
2   80   E8   PIDs supported 81-9F
2   85   E8   Average Reagent Consumption, Average Demanded Reagent Consumption,
Reagent Tank Level, Total run time by the engine while NOx warning mode is activated
2   87   E8   Intake Manifold Absolute Pressure A, Intake Manifold Absolute
Pressure B
2   8B   E8   Aftertreatment Status, Normalized Trigger for DPF Regen, Average
Time Between DPF Regens, Average Distance Between DPF Regens

Mode 3   *****   *****   Emission-related diagnostic trouble codes

Mode 4   *****   *****   Clear/reset emission-related diagnostic information

Mode 6   *****   *****   Monitoring test results for specific monitored systems
6   00   E8   MIDs supported 01-1F
6   01   E8   Exhaust Gas Sensor Monitor Bank 1 - Sensor 1
6   20   E8   MIDs supported 21-3F
6   21   E8   Catalyst Monitor Bank 1
6   34   E8   EGR Monitor Bank 4
6   40   E8   MIDs supported 41-5F
6   60   E8   MIDs supported 61-7F
6   80   E8   MIDs supported 81-9F
6   81   E8   Fuel System Monitor Bank 1
6   82   E8   Fuel System Monitor Bank 2
6   85   E8   Boost Pressure Control Monitor Bank 1
6   98   E8   NOx Catalyst Monitor Bank 1
6   A0   E8   MIDs supported A1-BF
6   A2   E8   Misfire Cylinder 1 Data
6   A3   E8   Misfire Cylinder 2 Data
6   A4   E8   Misfire Cylinder 3 Data
6   A5   E8   Misfire Cylinder 4 Data
6   A6   E8   Misfire Cylinder 5 Data
6   A7   E8   Misfire Cylinder 6 Data
6   A8   E8   Misfire Cylinder 7 Data
6   A9   E8   Misfire Cylinder 8 Data
6   B2   E8   PM Filter Monitor Bank 1

Mode 7   *****   *****   Emission-related diagnostic trouble codes detected during current
or last completed driving cycle

Mode 9   *****   *****   Vehicle information
9   00   E8 E9   Supported INFOTYPEs 01-1F
9   02   E8   Vehicle Identification Number(VIN)
9   04   E8 E9   Calibration Identification (CALID)
9   06   E8 E9   Calibration Verification Numbers (CVN)
9   0A   E8 E9   ECU Name

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9          0B        E8          In-use Performance Tracking for Compression Ignition Engines

Mode A     *****     *****       Emission-related diagnostic trouble codes with permanent status


Scan-Tool Mode 1 - Current powertrain diagnostic data
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E8  ECM-EngineControl

PID 01  0000 0000       MIL off, 0 fault code entries
        0000 1111
        1110 1011
        0100 0000       Monitor status since DTCs cleared
                        Misfire monitoring supported and complete
                        Fuel system monitoring supported and complete
                        Comprehensive component monitoring supported and complete
                        NMHC catalyst monitoring supported and complete
                        NOx aftertreatment monitoring supported and complete
                        Boost pressure system monitoring supported and complete
                        Exhaust gas sensor monitoring supported and complete
                        PM filter monitoring supported
                        EGR and/or VVT system monitoring supported and complete
PID 04    0.0   %       Calculated load value
PID 0C      0   1/min   Engine RPM
PID 0D      0   km/h    Vehicle speed sensor
PID 13  0000 0001       Location of oxygen sensors
                        Bank 1 Sensor 1
PID 1C      3           OBD requirements to which vehicle or engine is certified (OBD and OBD II)
PID 1F      0   s       Time since engine start
PID 21      0   km      Distance traveled while MIL is activated
PID 24  1.000   Lambda  Equivalence ratio Bank 1 Sensor 1
        0.000   V       Oxygen sensor voltage Bank 1 Sensor 1
PID 2F   59.6   %       Fuel level input
PID 30      9           Number of warm-ups since DTCs cleared
PID 31    265   km      Distance traveled since DTCs cleared
PID 33     98   kPa     Barometric pressure
PID 41  0000 0000
        0111 1000
        1110 0000
        0110 0001       Monitor status this driving cycle
                        Misfire monitoring disabled
                        Fuel system monitoring disabled
                        Comprehensive component monitoring disabled
                        NMHC catalyst monitoring disabled
                        NOx aftertreatment monitoring disabled and complete
                        Boost pressure system monitoring disabled and complete
                        Exhaust gas sensor monitoring enabled
                        PM filter monitoring enabled
                        EGR and/or VVT system monitoring enabled and complete
PID 42  12.560  V       Control module voltage
PID 46     38   °C      Ambient air temperature
PID 49   14.9   %       Accelerator pedal position D
PID 4A    7.5   %       Accelerator pedal position E
PID 51      4           Type of fuel currently being utilized by the internal combustion engine Diesel
PID 5C     82   °C      Engine oil temperature
PID 5D   0.00   °       Fuel injection timing
PID 5E   0.00   L/h     Engine fuel rate
PID 61      0   %       Driver's demand engine - percent torque
PID 62      0   %       Actual engine - percent torque
PID 63   1800   Nm      Engine reference torque
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PID 64     19   %          Engine percent torque at idle point 1
           19   %          Engine percent torque at point 2
           19   %          Engine percent torque at point 3
           19   %          Engine percent torque at point 4
           19   %          Engine percent torque at point 5
PID 65   0000              Auxiliary Inputs/Outputs Status
                           Power Take Off not active (OFF)
                           Auto Trans in Park/Neutral
                           Glow Plug Lamp OFF
PID 66   0.22  g/s         Mass Air Flow Sensor A
PID 67     85   °C         Engine Coolant Temperature 1
           83   °C         Engine Coolant Temperature 2
PID 68     54   °C         Intake Air Temperature Bank 1 Sensor 1
PID 69    4.7   %          Commanded EGR A Duty Cycle/Position
          0.0   %          Actual EGR A Duty Cycle/Position
       -100.0   %          EGR A Error
PID 6A    0.0   %          Commanded Intake Air Flow A Control
          0.4   %          Relative Intake Air Flow A Position
PID 6B     79   °C         Exhaust Gas Recirculation Temp Sensor A (Bank 1 Sensor 1)
           85   °C         Exhaust Gas Recirculation Temp Sensor C (Bank 1 Sensor 2)
PID 6D  30000  kPa         Commanded Fuel Rail Pressure A
         2570  kPa         Fuel Rail Pressure A
PID 71    8.2   %          Commanded Variable Geometry Turbo A Position
          0.0   %          Variable Geometry Turbo A Position
       0000 0001           VGT A,B Control Status
PID 72   73.7   %          Commanded Wastegate A Position
          0.0   %          Wastegate A Position
PID 73  97.60  kPa         Exhaust Pressure Sensor Bank 1
PID 77     61   °C         Charge Air Cooler Temperature Bank 1 Sensor 1
           61   °C         Charge Air Cooler Temperature Bank 1 Sensor 2
PID 78   93.4   °C         Exhaust Gas Temperature Bank 1 Sensor 1
        104.4   °C         Exhaust Gas Temperature Bank 1 Sensor 2
        149.0   °C         Exhaust Gas Temperature Bank 1 Sensor 3
        104.4   °C         Exhaust Gas Temperature Bank 1 Sensor 4
PID 7A   0.00  kPa         Particulate Filter Bank 1 Inlet Pressure
PID 7D  0000 0010          NOx NTE control area status
                           outside control area
PID 7E  0000 0010          PM NTE control area status
                           outside control area
PID 7F  5 hrs 15 min 14 s      Total Engine Run Time
        1 hrs 25 min 58 s      Total Idle Run Time
        0 min 0 s      Total Run Time With PTO Active
PID 81  0 min 0 s      Total run time with EI-AECD #1 Timer 1 active
        0 min 0 s      Total run time with EI-AECD #1 Timer 2 active
        0 min 0 s      Total run time with EI-AECD #2 Timer 1 active
        22 min 52 s    Total run time with EI-AECD #2 Timer 2 active
        56 min 29 s    Total run time with EI-AECD #3 Timer 1 active
        3 min 12 s     Total run time with EI-AECD #3 Timer 2 active
        0 min 0 s      Total run time with EI-AECD #4 Timer 1 active
        0 min 0 s      Total run time with EI-AECD #4 Timer 2 active
        28 min 49 s    Total run time with EI-AECD #5 Timer 1 active
        0 min 0 s      Total run time with EI-AECD #5 Timer 2 active
PID 82  0 min 7 s      Total run time with EI-AECD #6 Timer 1 active
        0 min 0 s      Total run time with EI-AECD #6 Timer 2 active
        0 min 0 s      Total run time with EI-AECD #7 Timer 1 active
        0 min 0 s      Total run time with EI-AECD #7 Timer 2 active
        0 min 0 s      Total run time with EI-AECD #8 Timer 1 active
        0 min 0 s      Total run time with EI-AECD #8 Timer 2 active
        0 min 0 s      Total run time with EI-AECD #9 Timer 1 active
        0 min 0 s      Total run time with EI-AECD #9 Timer 2 active
        0 min 0 s      Total run time with EI-AECD #10 Timer 1 active
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        0 min 0 s        Total run time with EI-AECD #10 Timer 2 active
PID 83       0   ppm     NOx Sensor Concentration Bank 1 Sensor 1
             0   ppm     NOx Sensor Concentration Bank 1 Sensor 2
PID 85   0.000   L/h     Average Reagent Consumption
         0.000   L/h     Average Demanded Reagent Consumption
         100.0   %       (Value = FF)  Reagent Tank Level
        0 min 0 s        Total run time by the engine while NOx warning mode is activated
PID 87   95.97   kPa     Intake Manifold Absolute Pressure A
PID 89  0 min 0 s        Total run time with EI-AECD #11 Timer 1 active
        0 min 0 s        Total run time with EI-AECD #11 Timer 2 active
        0 min 0 s        Total run time with EI-AECD #12 Timer 1 active
        0 min 0 s        Total run time with EI-AECD #12 Timer 2 active
        0 min 0 s        Total run time with EI-AECD #13 Timer 1 active
        0 min 0 s        Total run time with EI-AECD #13 Timer 2 active
        0 min 0 s        Total run time with EI-AECD #14 Timer 1 active
        0 min 0 s        Total run time with EI-AECD #14 Timer 2 active
        0 min 0 s        Total run time with EI-AECD #15 Timer 1 active
        0 min 0 s        Total run time with EI-AECD #15 Timer 2 active
PID 8A  0 min 0 s        Total run time with EI-AECD #16 Timer 1 active
        1193046 hrs 28 min 15 s Total run time with EI-AECD #16 Timer 2 active
PID 8B  0000 0010        Aftertreatment Status
                         DPF Regen not in progress
                         Active DPF Regen
         390   km        Average Distance Between DPF Regens


E9  TCM-TransmisCtrl

PID 01  0000 0000        MIL off, 0 fault code entries
        0000 0100
        0000 0000
        0000 0000        Monitor status since DTCs cleared
                         Misfire monitoring not supported
                         Fuel system monitoring not supported
                         Comprehensive component monitoring supported and complete
                         Catalyst monitoring not supported
                         Heated catalyst monitoring not supported
                         Evaporative system monitoring not supported
                         Secondary air system monitoring not supported
                         Oxygen sensor monitoring not supported
                         Oxygen sensor heater monitoring not supported
                         EGR and/or VVT system monitoring not supported
PID 04    0.0   %        Calculated load value
PID 05     85   °C       Engine coolant temperature
PID 0C      0   1/min    Engine RPM
PID 0D      0   km/h     Vehicle speed sensor
PID 0F     54   °C       Intake air temperature
PID 1C      3            OBD requirements to which vehicle or engine is certified (OBD and OBD II)
PID 1F      0   s        Time since engine start
PID 21      0   km       Distance traveled while MIL is activated
PID 30      8            Number of warm-ups since DTCs cleared
PID 31    266   km       Distance traveled since DTCs cleared
PID 33     99   kPa      Barometric pressure
PID 42  12.261  V        Control module voltage
PID 49    0.0   %        Accelerator pedal position D


Scan-Tool Mode 2 - Current freeze frame data
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E8  ECM-EngineControl
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No fault code entry

E9 TCM-TransmisCtrl

No fault code entry

Scan-Tool Mode 3 - Emission-related diagnostic trouble codes

E8 ECM-EngineControl

MIL off
0 fault code entries

No fault code entry

E9 TCM-TransmisCtrl

MIL off
0 fault code entries

No fault code entry

Scan-Tool Mode 6 - Monitoring test results for specific monitored systems
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E8 ECM-EngineControl

Monitor ID	Test ID	Unit ID	Test value	Min value	Max value	Unit	Comment
01	90	11	3.1	0.0	6.0	s	Exhaust Gas Sensor
Monitor Bank 1 - Sensor 1							
01	91	11	1.0	0.0	5.0	s	Exhaust Gas Sensor
Monitor Bank 1 - Sensor 1							
01	92	11	4.1	0.0	11.0	s	Exhaust Gas Sensor
Monitor Bank 1 - Sensor 1							
01	93	30	6.814669	0.000000	11.004791	%	Exhaust Gas Sensor
Monitor Bank 1 - Sensor 1							
01	94	30	12.756524	3.620961	17.718751	%	Exhaust Gas Sensor
Monitor Bank 1 - Sensor 1							
01	95	30	19.607815	14.097790	25.496263	%	Exhaust Gas Sensor
Monitor Bank 1 - Sensor 1							
01	96	83	1.03	0.90	1.22		Exhaust Gas Sensor
Monitor Bank 1 - Sensor 1							
01	97	81	46	1	100		Exhaust Gas Sensor
Monitor Bank 1 - Sensor 1							
01	98	B0	-3.048648	-10.000421	0.000000	%	Exhaust Gas Sensor
Monitor Bank 1 - Sensor 1							
01	99	B0	0.000000	0.000000	19.997790	%	Exhaust Gas Sensor
Monitor Bank 1 - Sensor 1							
21	90	B0	99.988951	39.995580	99.988951	%	Catalyst Monitor Bank 1
34	90	AF	3.19	-327.68	66.70	%	EGR Monitor Bank 4
34	91	AF	1.91	-100.00	327.67	%	EGR Monitor Bank 4

34	92	96	79.1	-3276.8	176.8	°C	EGR Monitor Bank 4
34	93	96	121.4	69.3	3276.7	°C	EGR Monitor Bank 4
81	91	3C	546.8	294.0	664.0	µs	Fuel System Monitor Bank 1
81	92	3C	524.8	294.0	664.0	µs	Fuel System Monitor Bank 1
81	93	3C	523.2	294.0	664.0	µs	Fuel System Monitor Bank 1
81	94	3C	525.6	294.0	664.0	µs	Fuel System Monitor Bank 1
82	95	3C	534.0	294.0	664.0	µs	Fuel System Monitor Bank 2
82	96	3C	525.2	294.0	664.0	µs	Fuel System Monitor Bank 2
82	97	3C	544.4	294.0	664.0	µs	Fuel System Monitor Bank 2
82	98	3C	528.4	294.0	664.0	µs	Fuel System Monitor Bank 2
85	90	17	2.20	2.01	655.35	kPa	Boost Pressure Control Monitor Bank 1
85	92	FC	-4.90	-15.00	327.67	kPa	Boost Pressure Control Monitor Bank 1
85	93	AF	0.73	-327.68	50.00	%	Boost Pressure Control Monitor Bank 1
85	94	17	2.24	2.00	655.35	kPa	Boost Pressure Control Monitor Bank 1
85	96	96	11.5	-5.0	3003.6	°C	Boost Pressure Control Monitor Bank 1
98	90	B0	99.506782	34.996896	99.995054	%	NOx Catalyst Monitor Bank 1
A2	0B	24	0	0	65535	counts	Misfire Cylinder 1 Data
A2	0C	24	0	0	65535	counts	Misfire Cylinder 1 Data
A3	0B	24	0	0	65535	counts	Misfire Cylinder 2 Data
A3	0C	24	0	0	65535	counts	Misfire Cylinder 2 Data
A4	0B	24	0	0	65535	counts	Misfire Cylinder 3 Data
A4	0C	24	0	0	65535	counts	Misfire Cylinder 3 Data
A5	0B	24	0	0	65535	counts	Misfire Cylinder 4 Data
A5	0C	24	0	0	65535	counts	Misfire Cylinder 4 Data
A6	0C	24	0	0	65535	counts	Misfire Cylinder 5 Data
A6	0B	24	0	0	65535	counts	Misfire Cylinder 5 Data
A7	0C	24	0	0	65535	counts	Misfire Cylinder 6 Data
A7	0C	24	0	0	65535	counts	Misfire Cylinder 6 Data
A8	0B	24	0	0	65535	counts	Misfire Cylinder 7 Data
A8	0C	24	0	0	65535	counts	Misfire Cylinder 7 Data
A9	0B	24	0	0	65535	counts	Misfire Cylinder 8 Data
A9	0C	24	0	0	65535	counts	Misfire Cylinder 8

```
Data
B2          90          20          49.7421875 10.0000000  100.0000000              PM Filter Monitor
Bank 1
```

E9 TCM-TransmisCtrl

```
Monitor ID  Test ID     Unit ID     Test value  Min value   Max value   Unit          Comment
```

Scan-Tool Mode 7 - Emission-related diagnostic trouble codes detected during current or last completed
driving cycle

E8 ECM-EngineControl

No fault code entry

E9 TCM-TransmisCtrl

No fault code entry

Scan-Tool Mode 9 - Vehicle information

E8 ECM-EngineControl

INFOTYPE 02   Vehicle Identification Number(VIN)
                 1FT7W2BT9BEA15523

INFOTYPE 04   Calibration Identification (CALID)
                 DDBZ2A6.H32   BC3A-14D609-CA   BC3A-14F553-BC

INFOTYPE 06   Calibration Verification Numbers (CVN)
                 A1 71 5A 13   D8 74 56 60   00 00 76 F8

INFOTYPE 0A   ECU Name
                 ECM-EngineControl

INFOTYPE 0B   In-use Performance Tracking for Compression Ignition Engines
                 OBDCOND 11   General Denominator, OBD Monitoring Conditions Encountered Counts
           IGNCNTR 23   Ignition Cycle Counter

           HCCATCOMP   1   Numerator, NMHC Catalyst Monitor Completion Condition Counts
           HCCATCOND   0   Denominator, NMHC Catalyst Monitor Conditions Encountered Counts
                 7.995   - Calculated Ratio -

           NCATCOMP   3   Numerator, NOx Catalyst Monitor Completion Condition Counts
           NCATCOND   11   Denominator, NOx Catalyst Monitor Conditions Encountered Counts
                 0.273   - Calculated Ratio -

           NADSCOMP   0   Numerator, NOx Adsorber Monitor Completion Condition Counts
           NADSCOND   0   Denominator, NOx Adsorber Monitor Conditions Encountered Counts
```

```
                        7.995   - Calculated Ratio -

        PMCOMP   11         Numerator, PM Filter Monitor Completion Condition Counts
        PMCOND   0          Denominator, PM Filter Monitor Conditions Encountered Counts
                        7.995   - Calculated Ratio -

        EGSCOMP 1          Numerator, Exhaust Gas Sensor Monitor Completion Condition Counts
        EGSCOND 11         Denominator, Exhaust Gas Sensor Monitor Conditions Encountered Counts
                        0.091   - Calculated Ratio -

        EGRCOMP 8          Numerator, EGR/VVT Monitor Completion Condition Counts
        EGRCOND 11         Denominator, EGR/VVT Monitor Conditions Encountered Counts
                        0.727   - Calculated Ratio -

        BPCOMP   10        Numerator, Boost Pressure Monitor Completion Condition Counts
        BPCOND   11        Denominator, Boost Pressure Monitor Conditions Encountered Counts
                        0.909   - Calculated Ratio -

        FUELCOMP       3       Numerator, Fuel Monitor Completion Condition Counts
        FUELCOND       11      Denominator, Fuel Monitor Conditions Encountered Counts
                        0.273   - Calculated Ratio -
```

E9 TCM-TransmisCtrl

```
INFOTYPE 04      Calibration Identification (CALID)
                 TVDD0FD.H32

INFOTYPE 06      Calibration Verification Numbers (CVN)
                 8D 12 F7 36

INFOTYPE 0A      ECU Name
                 TCM-TransmisCtrl
```

Scan-Tool Mode A - Emission-related diagnostic trouble codes with permanent status
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E8 ECM-EngineControl

No fault code entry

E9 TCM-TransmisCtrl

No fault code entry

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